

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Roderick A. Hyde  
Application No. : To Be Assigned  
Filed : March 16, 2004  
For : REFRACTIVE BOUNDARY ELEMENTS, DEVICES, AND MATERIALS

Examiner : To Be Assigned  
Art Unit : To Be Assigned  
Docket No. : 1203-014-009-000000  
Date : March 16, 2004

U.S. Patent & Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop Patent Application  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT

Sir:

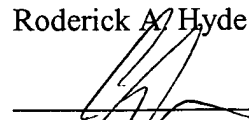
Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicant brings to the attention of the Examiner the documents listed on the attached PTO-1449 (substitute form). Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Pursuant to 37 CFR 1.98(a)(2), copies of the foreign patent documents and non-patent literature are attached.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

Roderick A. Hyde



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Clarence T. Tegreene  
Registration No. 37,951

CTT:pl

Enclosures:

- Check for \$972
- Postcard
- Certificate of Mailing by Express Mail
- New Utility Patent Application Transmittal and Fee Transmittal (+ copy)
- Specification (26 pages)
- 13 Sheets of Drawings (Figs. 1-11)
- Declaration and Power of Attorney
- Assignment Recordation Cover Sheet & Assignment
- Form PTO-1449 (substitute) and copies of 6 cited references

Searete LLC  
1422 – 130<sup>th</sup> Ave. N.E.  
Bellevue, WA 98005  
(425) 467-2262  
(425) 467-2350 Facsimile

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	To Be Assigned
	Filing Date	March 16, 2004
	First Named Inventor	Roderick A. Hyde
	Group Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
Page 1 of 1	Attorney Docket Number	1203-014-009-000000

U.S. PATENT DOCUMENTS			
Examiner Initials	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	6,603,113 B2	Takahiro Numai	08-05-2003
	6,411,752 B1	Little, et al.	06-25-2002
	6,052,495	Little, et al.	04-18-2000

FOREIGN PATENT DOCUMENTS				
Examiner Initials	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?
	WO 0048026A1	Japan	08-17-2000	Abstract only

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	HOUCK, BROCK, and CHUANG, "Experimental Observations of a Left-Handed Material That Obeys Snell's Law," Physical Review Letters, No. 13, April 4, 2003, Doc No. 137401 (1-4)
	LIU, SHAKOURI, and BOWERS, "Wide Tunable Double Ring Resonator Coupled Lasers," IEEE Photonics Technology Letters, Vol. 14, No. 5, May 2002, pp. 600-602.
	PENDRY, J.B., "Negative Refraction Makes a Perfect Lens," Physical Review Letters, No. 18, October 30, 2000, pp. 3966-3969
	SHELBY, SMITH, and SCHULTZ, "Experimental Verification of a Negative Index of Refraction," Science, Vol. 292, April 6, 2001, pp. 77-79
	ZHANG, FLUEGEL and MASCARENHAS, "Total Negative Refraction in Real Crystals for Ballistic Electrons and Light," Physical Review Letters, No. 15, October 10, 2003, Doc. No. 157404 (1-4)

Examiner Signature		Date Considered	
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